



Figure 3: The standard errors (SEs) of averaging V_{DRM} over various sized windows are shown in (a,d) with their corresponding central time points on the x axis, (b,e) illustrate the distribution of SEs from 10,000 simulations in relation to the averaging window size and the distribution of the estimation errors (%) in V_{DRM} to the width of the averaging window are shown in (c,f). True sap velocity in a-c was set to 30 cm h⁻¹ and d-f was 80 cm h⁻¹. The legend values (5 to 100) for (a,d) specify width of the averaging window in seconds. The blue boxes (b,c,e,f) have upper and lower edges defined by the 25th and 75th percentiles of 10,000 runs and contain median values denoted by the red lines. The red crosses are the outliers greater than 2.7σ from the mean.